

EAST - [Untitled1:1]											
File Edit View Tools Window Help											
D G A Q S V F H											
Drafts											
	#	Document ID	Issue Dat	Pages	Title	Current OR	Current MR	Retrieval	Inventor	S	C
1	<input checked="" type="checkbox"/>	US 20030156347	20030821	36	Magnetic disk drive system	360/78.04	360/31; 360/62; 360/75		Ishii, Koji	<input type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	US 20030090824	20030515		Magnetic disk drive system	360/31			Hirano, Masakazu et al.	<input type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	US 20020131191	20020919		Disk drive with control of read and write gate	360/51			Osafune, Koji	<input type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	US 20010013989	20010816		DISK APPARATUS WITH REAL-TIME ECCENTRICITY C	360/78.04			SAIKI, MASARU et al.	<input type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	US 6317285 B1	20011113		Method for calibrating MR head geometry in sel	360/75	360/77.04		Bi, Qiang et al.	<input type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	US 6137646 A	20001024		Disk apparatus using coincidence detection t	360/51	360/53		Okamura, Eiji et al.	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	US 6130804 A	20001010		Four channel azimuth and two channel non-azi	360/241.1	360/76		Panish, Joseph M. et al.	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	US 6016547 A	20000118		Data processing apparatus with program	713/300	365/227; 711/100;		Ono, Chihiro	<input type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	US 6016233 A	20000118		Magnetic tape apparatus with housing in which p	360/15	360/48; 360/74.1;		Scholz, Werner et al.	<input type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	US 5973874 A	19991026		Four channel azimuth and two channel non-azi	360/76	360/78.02		Panish, Joseph M. et al.	<input type="checkbox"/>	<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	US 5963398 A	19991005		Disk apparatus with voice coil motor	360/264.7			Tohkairin, Koichi	<input type="checkbox"/>	<input type="checkbox"/>
12	<input checked="" type="checkbox"/>	US 5867339 A	19990202		Two channel azimuth and two channel non-azimuth	360/76			Panish, Joseph M. et al.	<input type="checkbox"/>	<input type="checkbox"/>
13	<input checked="" type="checkbox"/>	US 5798885 A	19980825		Head positioning control for disk appara	360/77.08	360/78.14		Saiki, Masaru et al.	<input type="checkbox"/>	<input type="checkbox"/>
14	<input checked="" type="checkbox"/>	US 5784220 A	19980721		Magnetic disk apparatus recording an	360/78.14	360/78.04		Nishimura, Kazuo et al.	<input type="checkbox"/>	<input type="checkbox"/>
15	<input checked="" type="checkbox"/>	US 5712739 A	19980127		Magnetic disk drive system with a composite	360/46			Nakamura, Norio et al.	<input type="checkbox"/>	<input type="checkbox"/>
16	<input checked="" type="checkbox"/>	US 5636075 A	19970603		Magnetic disk apparatus recording me	360/48	360/51; 360/76;		Nishimura, Kazuo et al.	<input type="checkbox"/>	<input type="checkbox"/>
17	<input checked="" type="checkbox"/>	US 5210618 A	19930511		Method, apparatus and record carrier for vide	386/3			De Haan, Gerard	<input type="checkbox"/>	<input type="checkbox"/>
18	<input checked="" type="checkbox"/>	US 4912585 A	19900327		Discrete track thin film magnetic recording	360/135	360/131		Belser, Karl A. et al.	<input type="checkbox"/>	<input type="checkbox"/>
19	<input checked="" type="checkbox"/>	US 4701817 A	19871020		Loading and ejecting mechanism for a magneti	360/96.5	360/93		Uemura, Yasuhiro	<input type="checkbox"/>	<input type="checkbox"/>
20	<input checked="" type="checkbox"/>	EP 1310946 A2	20030514		Magnetic disk drive system				HIRANO, MASAKAZU et al.	<input type="checkbox"/>	<input type="checkbox"/>
21	<input checked="" type="checkbox"/>	EP 339851 A2	19891102		A magnetic record disk with embedded servo inf		360/75		BELSER, KARL ARNOLD et al.	<input type="checkbox"/>	<input type="checkbox"/>

EAST - [Untitled1:1]

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Drafts

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Active

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Saved

Favorites

L1: (105932) disk adjl drive

L2: (336819) (circumferential or longitudinal) adjl direction

L3: (12615) read adjl head

L4: (17622) write adjl head

L5: (2162888) offset or separation or distance

L6: (21) 2 with 3 with 4

L7: (14) 2 same 3 same 4 same 5

USPAT USPGPUB EPD JPD RM TDB

Definition OR

2 same 3 same 4 same 5

Assign Action Group View Edit

	U	1	Document ID	Issue Dat	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	J	
1			US 20030090824	20030515	20	Magnetic disk drive system	360/31	360/75		Hirano, Masakazu et al.					
2			US 6477003	20021105		System for recording and/or reproducing info	360/121			Kalfs, Johannes J. W. et al.					
3			US 6476992	20021105		Magnetic disk apparatus and optimum offset meas	360/46	360/31; 360/65;		Shimatani, Keiji					
4			US 6429989	20020806		Method for self-servowriting timin	360/51	360/77.08; 360/78.14		Schultz, Mark D. et al.					
5			US 6349020	20020219		Head tilting mechanism for tape drives	360/291.2			Kumaraswamy, Bi, Qiang et al.					
6			US 6317285	20011113	18	Method for calibrating MR head geometry in sel	360/75	360/77.04		Kasetty, Kumaraswamy					
7			US 6307718	20011023		Tape head positioning device for adjusting az	360/291.1	360/241.1		Kalfs, Johannes J. W. et al.					
8			US 6061196	20000509		System for recording and/or reproducing info	360/48	360/77.12; 360/78.02		Saliba, George A.					
9			US 5523904	19960604		Linear tape write servo using embedded azimuth	360/77.12	360/76		Rudi, Guttorm					
10			US 5452152	19950919		Tracking control on longitudinal azimuth tr	360/77.12	360/78.02		Saliba, George A.					
11			US 5371638	19941206		Servo method and apparatus for very high	360/77.12	360/121; 360/60;		Saliba, George A.					
12			US 5307217	19940426		Magnetic head for very high track density mag	360/76	360/121		HIRANO, MASAKAZU et al.					
13			EP 1310946	20030514	21	Magnetic disk drive system				KALFS, JOHANNES JOZEF WILHELMUS et					
14			WO 9826410	19980618		SYSTEM FOR RECORDING AND/OR REPRODUCING INFO									

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EAST - [Untitled1:1]

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Drafts

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Active

L1: (105932) disk adj1 drive

L2: (12615) read adj1 head

L3: (57973) (write or recording) adj1 head

L4: (2575376) distance or separation or location

L5: (223) 2 with 3 with 4

L6: (81) 1 and 5

L7: (465618) offset

L8: (108) 2 with 3 with 7

L9: (58) 1 and 6

Failed

DB: USPAT US POPAR EPO JPO HBU TDB

Class: OR

1 and 6

	U	I	Document ID	Issue Dat	Pages	Title	Current OR	Current XP	Retrieval	Inventor	S	C	P	3	4
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20040057151	20040325	16	Data storage device and servo information writi	360/77.08	360/48;		Saikawa, Manabu et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	<input type="checkbox"/>	US 20040012874	20040122	21	Self-servo-writing multi-slot timing batte	360/51	360/48;		Chainer, Timothy J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input type="checkbox"/>	US 20030218821	20031127	12	Method and apparatus for performing self-ser	360/75	360/77.02;		Sado, Hideo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	US 20030156347	20030821	36	Magnetic disk drive system	360/78.04	360/31;		Ishii, Koji	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	US 20030026017	20030206	15	Method and apparatus for determining read-to	360/31	360/62;		Chong, Fong Kheon et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	US 20020101672	20020801	26	Method for storage of self-servowriting timin	360/51	360/48		Chainer, Timothy J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	<input type="checkbox"/>	US 20020085305	20020704		Method and apparatus for disk drive seek con	360/78.14			Asano, Hideo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	<input type="checkbox"/>	US 20020071198	20020613		Method to achieve higher track density by	360/77.02	360/63;		Liu, Xiong et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	<input type="checkbox"/>	US 20020050814	20020502	33	Testing apparatus and method for testing magm	324/210	324/212		Nozu, Takashi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	US 20020048107	20020425		Circuit for self-writing servo and	360/51	360/63;		Bryant, Lawrence M. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	US 20020039247	20020404		Track pitch correction method and apparatus	360/76	360/77.02		Bi, Qiang et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	US 20010040752	20011115		Servo track writing using extended copying	360/77.04	360/77.08		Szita, Gabor et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	US 20010000302	20010419		Servo information writing method and stor	360/31	360/53;		Sasamoto, Tatsuro et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	US 6751046	20040615		Writing servo data patterns on a data stor	360/77.04	360/75;		Szita, Gabor et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	US 6751042	20040615		Track pitch correction method and apparatus	360/77.02	360/75;		Bi, Qiang et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>	<input type="checkbox"/>	US 6751035	20040615	23	Method and system for initializing patterned	360/48	360/50;		Belser, Karl A.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	<input type="checkbox"/>	<input type="checkbox"/>	US 6735031	20040511	25	Method for storage of	360/51	360/48;		Chainer, Timothy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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DRAFTS													
		Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	3
18	<input checked="" type="checkbox"/>	US 6714376	20040330	14	Partial servo write fill in	360/75			Brunnett, Don et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	<input checked="" type="checkbox"/>	US 6696831	20040224	32	Testing apparatus and method for testing magn.	324/210	324/212		Nozu, Takashi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	<input checked="" type="checkbox"/>	US 6690538	20040210		Disk drive device and access sequence therefor	360/78.08			Saito, Tomoaki et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	<input checked="" type="checkbox"/>	US 6650491	20031118	24	System and method for setting a read/write of	360/31	360/53; 360/77.02;		Suzuki, Hiroaki et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	<input checked="" type="checkbox"/>	US 6631046	20031007		Servo track writing using extended comping	360/75	360/51; 360/77.07;		Szita, Gabor et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	<input checked="" type="checkbox"/>	US 6611396	20030826		Disk level servo write	360/77.04			Kermiche, Nouredine et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	<input checked="" type="checkbox"/>	US 6600636	20030729	13	Magnetic head with write element offset fr	360/317			Liikanen, Bruce et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	<input checked="" type="checkbox"/>	US 6597530	20030722		Method and apparatus for disk drive seek con	360/78.14	360/77.04		Asano, Hideo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	<input checked="" type="checkbox"/>	US 6556386	20030429		FPC connection arrangement for a disk	360/264.2	360/245.9; 360/266		Endo, Kenji	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	<input checked="" type="checkbox"/>	US 6522493	20030218		Position error signal linearization using an	360/75	360/77.08		Dobbek, Jeff J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
28	<input checked="" type="checkbox"/>	US 6522488	20030218		Servo information writing method and stor	360/31	360/51; 360/53;		Sasamoto, Tatsuro et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
29	<input checked="" type="checkbox"/>	US 6515818	20030204		Track follow at quarter track with narrow heads	360/77.08	360/77.02		Harmer, Brent Jay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30	<input checked="" type="checkbox"/>	US 6512649	20030128		Method for differentially writing	360/68	327/110		Alini, Roberto et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
31	<input checked="" type="checkbox"/>	US 6476992	20021105	21	Magnetic disk apparatus and optimum offset meas	360/46	360/31; 360/65;		Shimatani, Keiji	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32	<input checked="" type="checkbox"/>	US 6456451	20020924	19	Method and apparatus for disk drive seek con	360/77.04	360/75; 360/77.08;		Asano, Hideo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
33	<input checked="" type="checkbox"/>	US 6429995	20020806		Position error signal calibration using measu	360/77.08			Dobbek, Jeff J. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
34	<input checked="" type="checkbox"/>	US 6320718	20011120		Disk drive with zero read offset in reserved	360/77.04	360/77.08		Bouwkamp, Timothy D. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
35	<input checked="" type="checkbox"/>	US 6317285	20011113	18	Method for calibrating MR head geometry in sel	360/75	360/77.04		Bi, Qiang et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36	<input checked="" type="checkbox"/>	US 6295176	20010925		Apparatus and process for identifying sectors	360/48	360/51		Reddy, Prafulla B. et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
37	<input checked="" type="checkbox"/>	US 6185063	20010206		Methods and apparatus for overlapping data tr	360/78.04	360/75		Cameron, T. Jay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38	<input checked="" type="checkbox"/>	US 6172838	20010109		Disk unit creating a position sensitivity co	360/77.04	360/50		Ohba, Kazuhide	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
39	<input checked="" type="checkbox"/>	US 6078460	20000620		Head positioning control system for use	360/77.04			Moriya, Kazunori	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
40	<input checked="" type="checkbox"/>	US 6049440	20000411		Self written read/write track servo parameter f	360/77.04	360/77.08		Shu, Andrew	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
41	<input checked="" type="checkbox"/>	US 6031682	20000229	11	Track trimming and orthogonal recording fo	360/77.12	360/76; 360/77.07		Nelson, Gary T.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
42	<input checked="" type="checkbox"/>	US 6025971	20000215		Magnetic disk drive	360/77.08	360/48;		Inoue, Tetsuo et al.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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DRAFTS											
		Document ID	Issue Date	Pages	Title	Current OR	Current KB	Retrieval	Inventor	S	C
35	<input type="checkbox"/>	US 6317285	20011113	18	Method for calibrating MR head geometry in self	360/75	360/77.04		Bi, Qiang et al.	<input type="checkbox"/>	<input type="checkbox"/>
36	<input type="checkbox"/>	US 6295176	20010925		Apparatus and process for identifying sectors	360/48	360/51		Reddy, Prafulla B. et al.	<input type="checkbox"/>	<input type="checkbox"/>
37	<input type="checkbox"/>	US 6185063	20010206		Methods and apparatus for overlapping data tracks	360/78.04	360/75		Cameron, T. Jay	<input type="checkbox"/>	<input type="checkbox"/>
38	<input type="checkbox"/>	US 6172838	20010109		Disk unit creating a position sensitivity coefficient	360/77.04	360/50		Ohba, Kazuhide	<input type="checkbox"/>	<input type="checkbox"/>
39	<input type="checkbox"/>	US 6078460	20000620		Head positioning control system for use	360/77.04			Moriya, Kazunori	<input type="checkbox"/>	<input type="checkbox"/>
40	<input type="checkbox"/>	US 6049440	20000411		Self written read/write track servo parameter	360/77.04	360/77.08		Shu, Andrew	<input type="checkbox"/>	<input type="checkbox"/>
41	<input type="checkbox"/>	US 6031682	20000229	11	Track trimming and orthogonal recording for	360/77.12	360/76; 360/77.07		Nelson, Gary T.	<input type="checkbox"/>	<input type="checkbox"/>
42	<input type="checkbox"/>	US 6025971	20000215		Magnetic disk drive using a nonvolatile sol	360/77.08	360/53; 360/121		Inoue, Tetsuo et al.	<input type="checkbox"/>	<input type="checkbox"/>
43	<input type="checkbox"/>	US 6005751	19991221	9	Recording head skewed read/write gain posi	360/244			Kazmierczak, Frederick F. et al.	<input type="checkbox"/>	<input type="checkbox"/>
44	<input type="checkbox"/>	US 5978167	19991102		Disk unit creating a position sensitivity coefficient	360/77.04	360/78.04		Abe, Takao	<input type="checkbox"/>	<input type="checkbox"/>
45	<input type="checkbox"/>	US 5956200	19990921	40	Method of and apparatus for controlling magneti	360/77.04	360/78.04		Kohno, Keiichi et al.	<input type="checkbox"/>	<input type="checkbox"/>
46	<input type="checkbox"/>	US 5892634	19990406	26	Method and apparatus for heat positioning co	360/77.08	360/48;		Ito, Hiroshi et al.	<input type="checkbox"/>	<input type="checkbox"/>
47	<input type="checkbox"/>	US 5859740	19990112	36	Information storage disc and information re	360/77.02	360/48; 360/78.04		Takeda, Toru et al.	<input type="checkbox"/>	<input type="checkbox"/>
48	<input type="checkbox"/>	US 5831782	19981103		Method and apparatus for supplying optimal b	360/66	360/46; 360/55		Kohno, Keiichi et al.	<input type="checkbox"/>	<input type="checkbox"/>
49	<input type="checkbox"/>	US 5825579	19981020		Disk drive servo sensing gain normalizat	360/77.08	360/77.02		Cheung, Wayne Leung et al.	<input type="checkbox"/>	<input type="checkbox"/>
50	<input type="checkbox"/>	US 5818654	19981006		Apparatus and process for managing defective	360/53	360/48; 360/49;		Reddy, Prafulla B. et al.	<input type="checkbox"/>	<input type="checkbox"/>
51	<input type="checkbox"/>	US 5805373	19980908		Head position error compensation in disk dr	360/77.07	360/78.04		Hara, Takeyori et al.	<input type="checkbox"/>	<input type="checkbox"/>
52	<input type="checkbox"/>	US 5801908	19980901	20	Magnetic disk drive comprising rotary actua	360/294.4	360/264.5; 360/313		Akiyama, Junichi et al.	<input type="checkbox"/>	<input type="checkbox"/>
53	<input type="checkbox"/>	US 5801897	19980901		Head positioning control system for use	360/78.14	360/77.08; 360/77.11;		Kanda, Hiroyuki et al.	<input type="checkbox"/>	<input type="checkbox"/>
54	<input type="checkbox"/>	US 5796543	19980818	20	Data track pattern including embedded serv	360/77.08	360/48		Ton-That, Luan	<input type="checkbox"/>	<input type="checkbox"/>
55	<input type="checkbox"/>	US 5786957	19980728		Magnetic disk device using non-aligned read	360/77.08			Inoue, Tetsuo et al.	<input type="checkbox"/>	<input type="checkbox"/>
56	<input type="checkbox"/>	US 5694265	19971202		Disk apparatus for detecting position of h	360/77.05	360/51; 360/78.14		Kosugi, Tatsuhiko et al.	<input type="checkbox"/>	<input type="checkbox"/>
57	<input type="checkbox"/>	US 5691857	19971125		Method using matched filters for determinin	360/77.06	360/53; 360/65;		Fitzpatrick, James et al.	<input type="checkbox"/>	<input type="checkbox"/>
58	<input type="checkbox"/>	US 5587850	19961224	20	Data track pattern including embedded serv	360/77.08	360/77.06		Ton-that, Luan	<input type="checkbox"/>	<input type="checkbox"/>

FAST - [Untitled1:1]

FileViewEditToolsWindowHelp

Drafts

Pending

Active

L1: (105932) disk adjl drive

L2: (12615) read adjl head

L3: (57978) (write or recording) adjl head

L4: (2575376) distance or separation or location

L5: (223) 2 with 3 with 4

L6: (81) 1 and 5

Failed

Saved

DB: USPAT US POPUL EPO JPO IBM JDS

Default preset: CR

1 and 5

Buttons

Buttons

Buttons

Buttons

Buttons

	U	I	Document ID	Issue	Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	Q	R	T
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040075952		20040422	12	Disk drive with magnetic head for perpe	360/313	360/135;		Takeo, Akihiko	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040021977		20040205		Compensating for coherent runout error i	360/77.04	360/319		Lim, ChoonKiat et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040012874		20040122		Self-servo-writing multi-slot timing batte	360/51	360/48;		Chainer, Timothy J. et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030227716		20031211		Thin film magnetic head	360/234.7	360/75;		Yamakura, Hideo et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030218821		20031127		Method and apparatus for performing self-ser	360/75	360/77.02;		Sado, Hideo	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030210488		20031113		Apparatus for look-ahead thermal sens	360/46	360/78.04;		Ottesen, Hal Hjalmar et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030210486		20031113		Method for look-ahead thermal sensing in a da	360/25	360/31;		Ottesen, Hal Hjalmar et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030156347		20030821		Magnetic disk drive system	360/78.04	360/75;		Ishii, Koji	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030128635		20030710		Storage medium for thermally-assisted magn	369/13.55	360/62;		Ruigrok, Jacobus Josephus Maria et	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030090836		20030515		Method and apparatus for electromagnetic int	360/128			Stein, Anatoli B.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030090824		20030515		Magnetic disk drive system	360/31	360/75		Hirano, Masakazu et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20030026017		20030206		Method and apparatus for determining read-to	360/31			Chong, Fong Kheon et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020186957		20021212		Personal video recorder with high-capacity arch	386/46	386/125;		Yuen, Henry	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020145817		20021010		Circumferential positioning of servo se	360/51	386/68		Szita, Gabor et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020135939		20020926		Magnetic recording medium	360/135	360/75		Wada, Yoshimitsu	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020135927		20020926		Magnetic disk drive apparatus having a self	360/75	360/51		Yatsu, Masahide	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020131191		20020919		Disk drive with control of read and write gate	360/51			Osafune, Koji	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	US 20020101672		20020801		Method for storage of self-servowriting timin	360/51	360/48		Chainer, Timothy J. et al.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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U	I	Document ID	Issue Date	Pages	Title	Current OR	Current XR	Retrieval	Inventor	S	C	P	J	
44	F	US 6339523	20020115		Write head before read head constructed magnet	360/317	360/126		Santini, Hugo	C	C	C	C	C
45	F	US 6330122	20011211		Magnetic tester for disk surface scan	360/31	360/234.3; 360/319		Alberto Emilio Chang, Thomas Young et al.	C	C	C	C	C
46	F	US 6317285	20011113		Method for calibrating MR head geometry in sel	360/75	360/77.04		Bi, Qiang et al.	C	C	C	C	C
47	F	US 6278748	20010821		Rate 5/6 maximum transition run code for	375/341	341/59; 341/61		Fu, Leo et al.	C	C	C	C	C
48	F	US 6175465	20010116		Head positioning control system for use	360/77.08	360/77.02		Kawachi, Hidetoshi et al.	C	C	C	C	C
49	F	US 6130798	20001010		Hardware PES calculator	360/77.05	360/77.07		Chang, Dar-Der et al.	C	C	C	C	C
50	F	US 6128160	20001003		Head device having spin-valve read head fo	360/324.11	360/66		Yamamoto, Kotaro	C	C	C	C	C
51	F	US 6104568	20000815		Servo-burst gray code pattern	360/78.04	360/48; 360/49		Drouin, David et al.	C	C	C	C	C
52	F	US 6081397	20000627		Method and apparatus for SID-to-SID period e	360/51	360/47; 360/77.08		Belser, Karl Arnold	C	C	C	C	C
53	F	US 6052250	20000418		Disk drive with separately determined s	360/77.08	360/78.14		Golowka, Daniel et al.	C	C	C	C	C
54	F	US 6031682	20000229		Track trimming and orthogonal recording fo	360/77.12	360/76; 360/77.07		Nelson, Gary T.	C	C	C	C	C
55	F	US 6014283	20000111		Non-quadrature servo burst pattern for micro	360/77.08	360/77.02		Codilian, Raffi et al.	C	C	C	C	C
56	F	US 6005751	19991221		Recording head skewed read gap/write gap posi	360/244	360/121		Kazmierczak, Frederick F. et al	C	C	C	C	C
57	F	US 5956200	19990921		Method of and apparatus for controlling magneti	360/77.04	360/78.04		Kohno, Keiichi et al.	C	C	C	C	C
58	F	US 5953180	19990914		Multi-mode suspension populated actuator for	360/97.02	360/234.3; 360/244		Frater, Norman Kermit et al.	C	C	C	C	C
59	F	US 5930078	19990727		Automated head wire stringing termination	360/245.8			Albrecht, David William et al.	C	C	C	C	C
60	F	US 5910862	19990608		Magnetic disk apparatus	360/97.01	360/98.01		Ogawa, Yoshinori et al.	C	C	C	C	C
61	F	US 5892634	19990406		Method and apparatus for heat positioning co	360/77.08	360/48		Ito, Hiroshi et al.	C	C	C	C	C
62	F	US 5859740	19990112		Information storage disc and information re	360/77.02	360/48; 360/78.04		Takeda, Toru et al.	C	C	C	C	C
63	F	US 5801908	19980901		Magnetic disk drive comprising rotarv actua	360/294.4	360/264.5; 360/313		Akiyama, Junichi et al.	C	C	C	C	C
64	F	US 5796543	19980818		Data track pattern including embedded serv	360/77.08	360/48		Ton-That, Luan	C	C	C	C	C
65	F	US 5745639	19980428		Apparatus for improving the continuous supplv o	386/70	386/125; 386/82		Gensheimer, Joseph Michael	C	C	C	C	C
66	F	US 5682274	19971028		Method and apparatus for positioning transdu	360/77.04	360/77.08		Brown, Dana Henry et al.	C	C	C	C	C
67	F	US 5646806	19970708		Edge tensioning sloping tape guide for arcuate	360/130.22	360/130.21		Griffith, Neil J. et al.	C	C	C	C	C
68	F	US 5587850	19961224		Data track pattern	360/77.08	360/77.06		Ton-that, Luan	C	C	C	C	C

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# Drafts											
#		Document ID	Issue Date	Pages	Title	Current OR	Current MR	Retrieval	Inventor	S	C
58	<input type="checkbox"/>	US 5953180	19990914		Multi-mode suspension	360/97.02	360/234.3;		Frazer, Norman	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			populated actuator for		360/244;		Kermit et al.	<input type="checkbox"/>	<input type="checkbox"/>
59	<input type="checkbox"/>	US 5930078	19990727		Automated head wire	360/245.8			Albrecht, David	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			stringing termination				William et al.	<input type="checkbox"/>	<input type="checkbox"/>
60	<input type="checkbox"/>	US 5910862	19990608		Magnetic disk apparatus	360/97.01	360/98.01		Ogawa, Yoshinori	<input type="checkbox"/>	<input type="checkbox"/>
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61	<input type="checkbox"/>	US 5892634	19990406		Method and apparatus	360/77.08	360/48		Ito, Hiroshi et	<input type="checkbox"/>	<input type="checkbox"/>
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62	<input type="checkbox"/>	US 5859740	19990112		Information storage	360/77.02	360/48;		Takeda, Toru et	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			disc and information re		360/78.04		al.	<input type="checkbox"/>	<input type="checkbox"/>
63	<input type="checkbox"/>	US 5801908	19980901		Magnetic disk drive	360/294.4	360/264.5;		Akiyama, Junichi	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			comprising rotary actua		360/313		et al.	<input type="checkbox"/>	<input type="checkbox"/>
64	<input type="checkbox"/>	US 5796543	19980818		Data track pattern	360/77.08	360/48		Ton-That, Luan	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			including embedded serv					<input type="checkbox"/>	<input type="checkbox"/>
65	<input type="checkbox"/>	US 5745639	19980428		Apparatus for improving	386/70	386/125;		Gensheimer, Joseph	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			the continuous supply o		386/82		Michael	<input type="checkbox"/>	<input type="checkbox"/>
66	<input type="checkbox"/>	US 5682274	19971028		Method and apparatus	360/77.04	360/77.08		Brown, Dana Henry	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			for positioning transdu				et al.	<input type="checkbox"/>	<input type="checkbox"/>
67	<input type="checkbox"/>	US 5646806	19970708		Edge tensioning sloping	360/130.22	360/130.21		Griffith, Neil J.	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			tape guide for arcuate				et al.	<input type="checkbox"/>	<input type="checkbox"/>
68	<input type="checkbox"/>	US 5587850	19961224		Data track pattern	360/77.08	360/77.06		Ton-that, Luan	<input type="checkbox"/>	<input type="checkbox"/>
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69	<input type="checkbox"/>	US 5438747	19950808		Method of making a thin	29/603.16	204/192.34		Krounbi, Mohamad	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			film merged MR head wit				T. et al.	<input type="checkbox"/>	<input type="checkbox"/>
70	<input type="checkbox"/>	US 5419033	19950530		Method of making load	29/603.23			Brooks, Jr.,	<input type="checkbox"/>	<input type="checkbox"/>
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71	<input type="checkbox"/>	US 5229901	19930720		Side-by-side read/write	360/244	360/121;		Mallory, Michael	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			heads with rotary posit		360/77.02;		L.	<input type="checkbox"/>	<input type="checkbox"/>
72	<input type="checkbox"/>	US 5074029	19911224		Method for stringing	29/603.03	29/747;		Brooks, Jr.,	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			wire on an actuator arm		29/854;		William W. et al.	<input type="checkbox"/>	<input type="checkbox"/>
73	<input type="checkbox"/>	US 4833418	19890523		Compensation circuit	330/9	330/258;		Quintus, John J.	<input type="checkbox"/>	<input type="checkbox"/>
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74	<input type="checkbox"/>	US 4796125	19890103		Optimizing the	360/77.12	360/78.02		Karsh, Herbert	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			positioning of a pair o					<input type="checkbox"/>	<input type="checkbox"/>
75	<input type="checkbox"/>	US 4696099	19870929		Method of producing a	29/603.1	29/418;		Matsunaga, Hiroshi	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			magnetic head		29/603.16		et al.	<input type="checkbox"/>	<input type="checkbox"/>
76	<input type="checkbox"/>	US 4685013	19870804		Magnetic tape head	360/125	360/137;		Joannou, Kyriacos	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			alignment system		360/25		et al.	<input type="checkbox"/>	<input type="checkbox"/>
77	<input type="checkbox"/>	US 4637023	19870113		Digital data error	714/54	360/53		Lounsbury, David	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			correction method and a				M. et al.	<input type="checkbox"/>	<input type="checkbox"/>
78	<input type="checkbox"/>	US 4539608	19850903		Low offset position	360/77.05	318/684		Hill, John P. et	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A			demodular				al.	<input type="checkbox"/>	<input type="checkbox"/>
79	<input type="checkbox"/>	US 4530019	19850716		Servo pattern	360/77.08	360/135		Penniman, Steven	<input type="checkbox"/>	<input type="checkbox"/>
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80	<input type="checkbox"/>	JP	20030905		MAGNETIC DISK DRIVE				ISHII, KOJI	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	2003249044			SYSTEM					<input type="checkbox"/>	<input type="checkbox"/>
81	<input type="checkbox"/>	EP 1310946	20030514		Magnetic disk drive				HIRANO, MASAKAZU	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	A2			system				et al.	<input type="checkbox"/>	<input type="checkbox"/>

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